imagistics

9757

Printer Driver
User's Manual

For use with Imagistics and Pitney Bowes DL460/550 copier/printers.

Macintosh Operating System

Welcome

Thank you for purchasing the controller.

This Operator's Manual explains how to run print cycles on the machine, to which the controller is connected. It also gives precautions that you should review before attempting to actually use the controller. So, first read this manual carefully and thoroughly; then, keep it close at hand so you can refer to it whenever it becomes necessary.

When operating the controller and machine, follow the instructions given in this manual and in the one for the machine. Do not attempt to touch any part that is not covered in these manuals. Never attempt to disassemble or remodel any pieces of equipment, either, to prevent possible hazardous conditions.

Some of the screens shown in this manual may look different from what you will view in actual applications.

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For the U.S.A. Users

FCC Part 15-Radio Frequency Devices

WARNING

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and radiate radio frequency energy and if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

The design and production of this unit conform to FCC regulations, and any changes or modifications must be registered with the FCC and are subject to FCC control. Any changes made by purchaser or user without first contacting the manufacturer will be subject to penalty under FCC regulations.

FCC-F02

This device must be used with shielded interface cables. The use of non-shielded cables is likely to result in interference with radio communications and is prohibited under FCC rules.

For Canada Users

Interference-Causing Equipment Standard (ICES-003 Issue 3)

This Class A digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

IC-F03

Only for the area of the European Union.

CE Marking (Declaration of Conformity)
This product complies with the following EU directives:
  89/336/EEC, 73/23/EEC and 93/68/EEC directives.
This declaration is valid for the area of the European Union.

This device must be used with shielded interface cables. The use of non-shielded cables is likely to result in interference with radio communications and is prohibited under EU directives.

Other countries

WARNING
This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

This device must be used with shielded interface cables. The use of non-shielded cables is likely to result in interference with radio communications and is prohibited under CISPR 22 rules and local rules.

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Contents

Naming of Equipment and Functions

Naming of Equipment and Functions

Different names are used between the controller and the machine to identify the same piece of equipment or the same function. Note the following.

Equipment Names

Controller	Machine
Tray	Drawer
Dup+2way Tray	2way Paper Feed Cabinet
Dup+LCC	Large Capacity Cabinet
Duplex Cabinet	Duplexing Paper Feed Cabinet
Multi-staple Finisher	Finisher (Multi)
Single-staple Finisher	Finisher (Single)
Folding Finisher	Finisher (Folding)
Manual Feed	Intelligent Multi Bypass Tray
LCT	Large Capacity Cassette

Function Names

Controller	Machine
N-up Page per sheet	N in 1

Chapter 1

Before Using the Controller

1. Features of the Controller

Features of the Controller

The controller is an image controller designed to use the machine as a printer, allowing you to print documents directly to the machine from a computer to which the controller is connected. The printer driver, which is used during printing, is equipped with various functions that make the most out of the features of the machine. When actually running a print cycle, you can specify various functions of the machine on your computer screen.

NOTES
- *When using the controller, be sure to set the machine to the On Line state.*
- *Some functions offered by the machine cannot be combined, such as Staple and Hole-Punch, and others may not be used because of the paper size involved. The functions that cannot be selected appear dimmed on the screen or an error message appears when an attempt is made to select any of them.*
  Further, if functions that are incompatible with each other are specified, the Conflicts dialog box will appear, prompting you to change the settings. When this dialog box appears, check the details and reselect the functions to ensure function compatibility.
- *Some settings, which are defied by the machine for the restricted combinations of different functions, can at times be accepted by the printer driver. If a print command is issued from the personal computer with such settings made, the machine does not produce the output correctly or abandons the job to produce nothing. Make sure that you make correct settings.*

Various Printing Functions
- Makes prints that are sorted into complete sets of the originals or grouped into uncollated groups, each containing prints of one original. ☞p.3-16

4608O006AA

4608O007AA
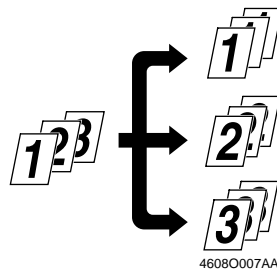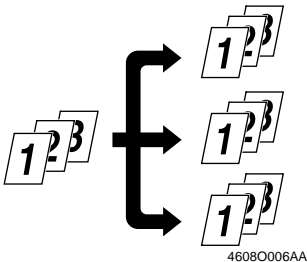
• Prints two pages of originals on both front and back sides of a single sheet of paper. ☞p.3-15

Long Edge Binding   Short Edge Binding

• Enlarges or reduces the image of the original. ☞p.3-4
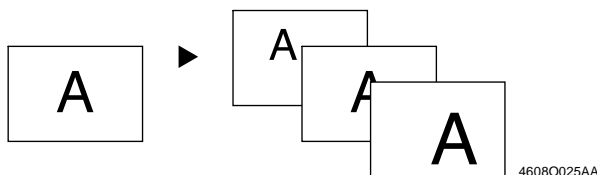
• Prints two or more pages of originals on a single sheet of paper. ☞p.3-10
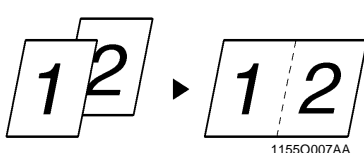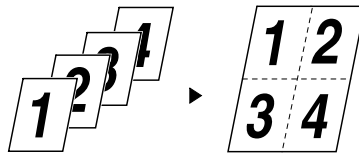
2up   4up

• Makes prints of complete sets of the originals, stapled together or punched for filing. ☞p.3-17
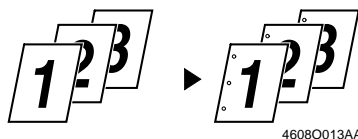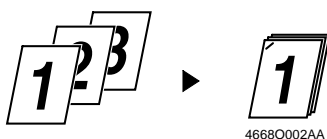
By combining Collate with other finishing capabilities, you can make complete sets of documents for immediate delivery without having to do any further processing.
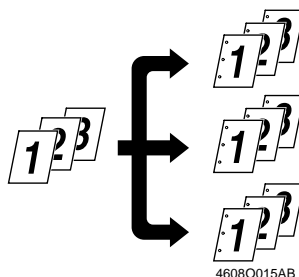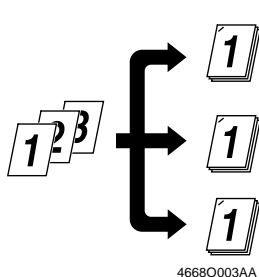
1. Features of the Controller

• Prints only the cover on a different type of paper (such as colored paper). ☞p.3-19

1149O013AA
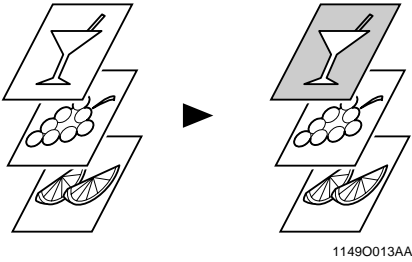
• Capable of printing on OHP transparencies with blank interleaves inserted. ☞p.3-19

4608O024AA
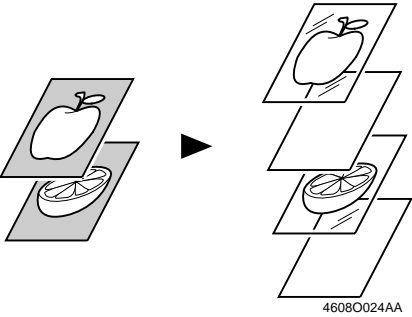
• Folds copies during finishing. ☞p.3-18

Crease Half Folding Z-Folding

4002O021AA
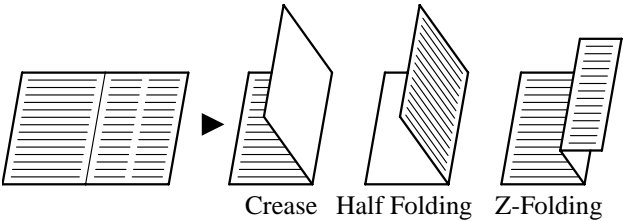
2. Configuration

Configuration

The controller may be configured with the following options.

Memory (64MB/128MB, Option)
Expands the memory capacity of controller.
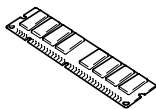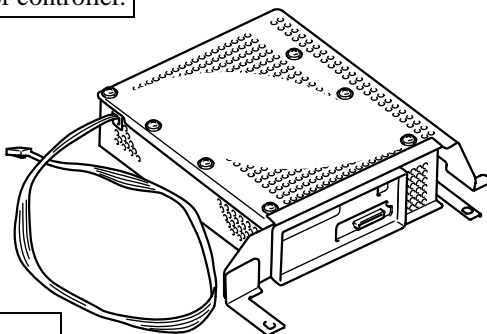
4608O018AA

Controller
Allows you to use the machine
as a printer controlled by your
personal computer.

4692O001AA
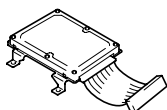
4608O017AA

Hard Disk Drive (Option)
For downloading PS fonts

10/100BaseT
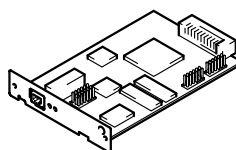
4668O005AA

NIC Board (Option)
Allows you to use the machine as a
printer in a network environment.

NOTES

• *The NIC Board must be used when the controller is used in the Macintosh
environment.*
• *The NIC Board must be mounted to use the scanner functions.*

3. Connecting the Controller

Connecting the Controller

The controller is installed inside the machine. The installation procedures are to be performed by the service personnel.

The controller is connected to the computer through a network cable. Power to the controller is supplied from the machine.
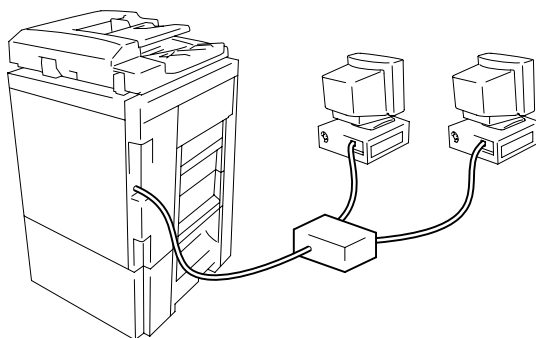
4692O003AB

TIP
If you cannot print from your computer, check that the network cable is connected to the corresponding connectors.

4. Settings Made on the Machine

The following functions must be set on the machine using its Utility Mode, since they relate to the controller.

Priority Device

Select the priority of use of the machine, either as a copier or printer.

Copier: The machine is used as a copier.

The machine starts the print cycle only after it has received the entire data of a particular print job.

The machine can be used for copying, since it starts printing only after it has received the entire data of the job for printing. This means that more time is available to you for copying, but you have to wait for a longer time before a particular print job is done.

Printer: The machine is used as a printer.

The machine starts the print cycle before it completes receiving the entire data of a particular print job.

On receiving the data for one page, the machine starts printing, accepting no other job for copying. This means that less time is available to you for copying, but you do not have to wait long before a particular print job is done.

On Line / Ready

On Line Key

This function is the same as that available in ordinary printers as On Line/ Off Line.

Select On Line normally.

A lit lamp indicates that the machine is in the On Line mode.

Ready Lamp

Data can be transferred while this lamp stays lit up.

The lamp remains blinking while data is being transferred.

5. Installing the Printer Drivers

Installing Various Printer Drivers

To make 100% use of the functions offered by the machine mounted with the controller, install the attached printer drivers in your computer. The controller is furnished with the following printer drivers:

- PCL6 printer driver for Windows 95
- PCL6 printer driver for Windows 98/2000
- PCL6 printer drive for Windows NT4.0
- PS printer driver for Windows 95/98
- PS printer driver for Windows 2000
- PS printer driver for Windows NT4.0
- PPD file for Macintosh
- PS print utility for Linux
  (Redhat, SuSE, Turbo, Open)

Install the printer driver suitable for the operating system that runs on your computer. For installation procedures, see the relevant page as detailed below:

Installing the Macintosh PPD file: ☞p.2-2

Installing the Windows printerdriver:
See the Operator's Manual for Windows.

Installing the Linux print utility:
See the Operator's Manual for Linux.

Chapter 2

Installing the Printer Driver

1. Macintosh

Operating Environment

This section explains the required environment for the printer driver.
Before installing the printer driver, make sure that your computer meets the
following requirements. If it doesn't, the printer driver may not function properly.

Operating system	: Apple Macintosh System7.5.3 or later, 8.x and 9.x
Personal computer	: Apple Macintosh computer or a Macintosh-compatible computer
I/O interface	: Ethernet port
Memory	: 16MB or more
Disk drive	: CD-ROM drive is required for installation only.
Free space on hard disk	: 2MB or more
Recommended printer software	: LaserWriter 8.5.1. or later, LaserWriter 8.6 or later

NOTE
Do not use an Ethernet cable of low quality: Defective printing could result.

Installation

This section explains the installation procedure for the Macintosh printer driver.
The following procedures are concerned with Apple Macintosh system7.5.5 and
LaserWriter8.5.1.

NOTES
*• When OS with other version or LaserWriter is used, procedures may vary
slightly.*
*• Make sure that the controller and computer are properly connected to each
other with an EtherTalk cable.*

1. Turn ON the machine.

2. Turn ON the computer and start the Macintosh OS.

3. Install the printer controller CD-ROM in the CD-ROM drive of your computer.

4. Double-click the [Macintosh HD] icon on the desktop.

5. Double-click the [System Folder].

6. Double-click [Extensions] folder.

7. Double-click [Printer Description] folder.

8. Drag the "Digital Copier ∗∗cpm-PS.ppd" file in the "PPD" folder of the CD-ROM to the "Printer Description" folder opened in step 7 to copy the file.

NOTE
Specify proper file according to the machine used.
*Digital Copier **cpm-PS.ppd*
             — *Model name of the machine*
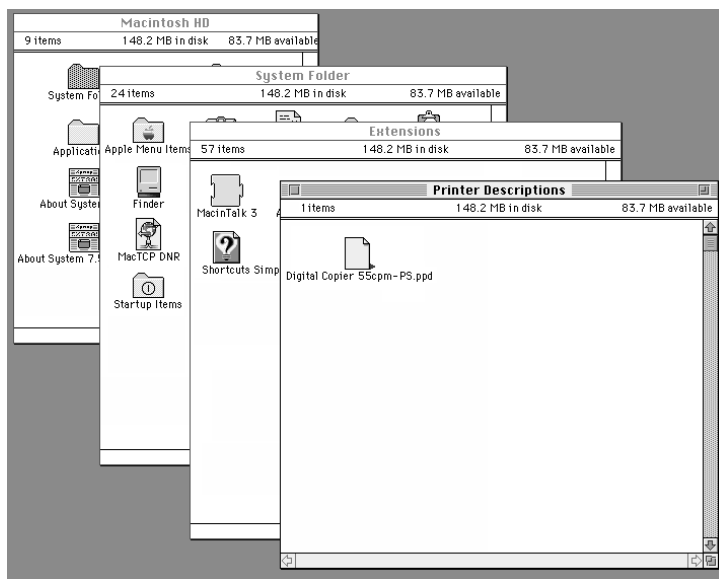
4692P176CA

9. Remove the CD-ROM from the CD-ROM drive.

Chapter 2

Installing the Printer Driver

10. Select "Chooser" from the Apple menu.

NOTE
The steps that follow will apply when the LaserWriter printer driver has
previously been installed in the Macintosh computer.
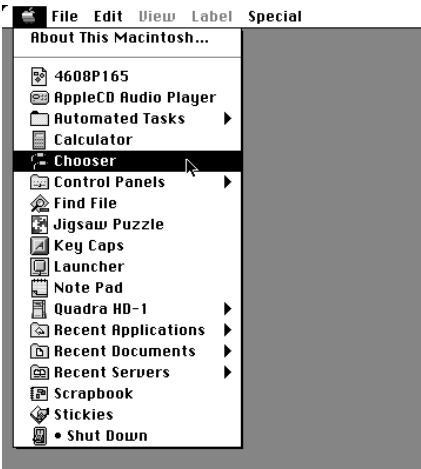
4608P163CA

11. The Chooser dialog box will appear.
    Click the LaserWriter icon.
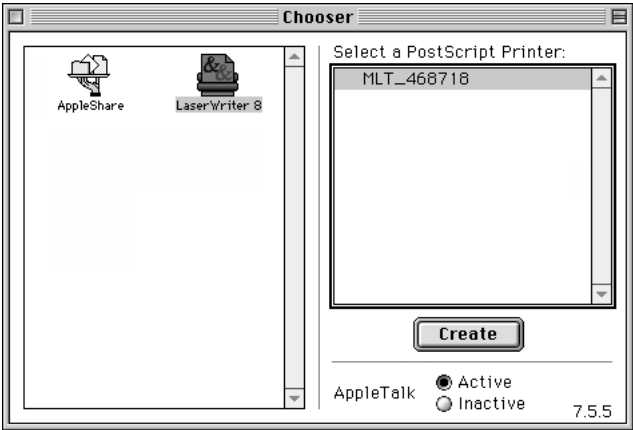
4608P164CB

12. The printer name set up with the NIC appears in the list under "Select a PostScript Printer." Select the printer and click the [Create] button.

4608P164CB
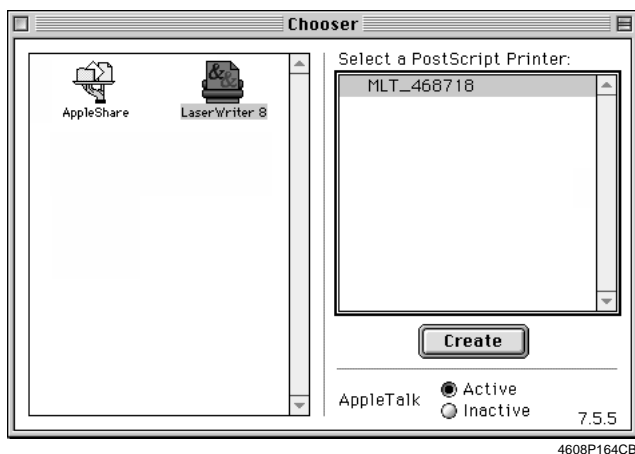
13. The "Select a PostScript™ Printer Description File" dialog box will appear. Select Digital Copier 55cpm-PS.ppd from the dialog box and click [Select].

NOTE
The following procedure is explained for Digital Copier 55cpm, specified for inch area, as an example: Use by specifying proper file according to the machine used.

4692P177CA

Installing the Printer Driver **Chapter 2**
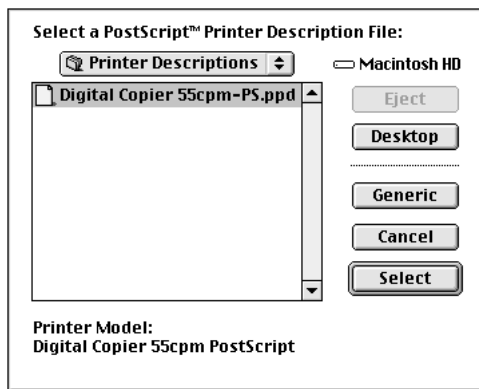
1. Macintosh

14. After the installation procedures have been completed, a small printer icon will appear to the left of the printer name.

4608P168CB
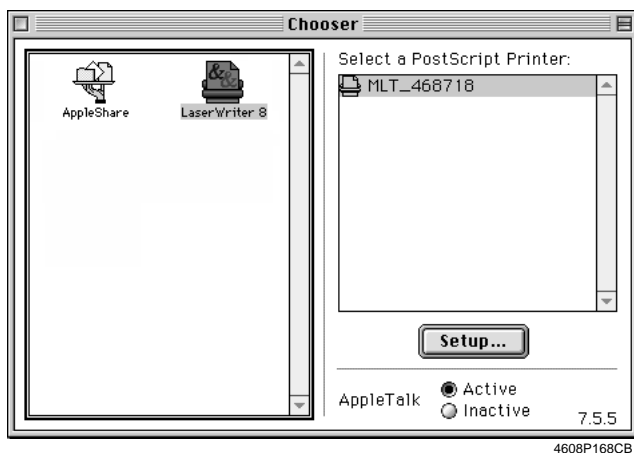
15. Click the [Setup...] button.

4608P168CB
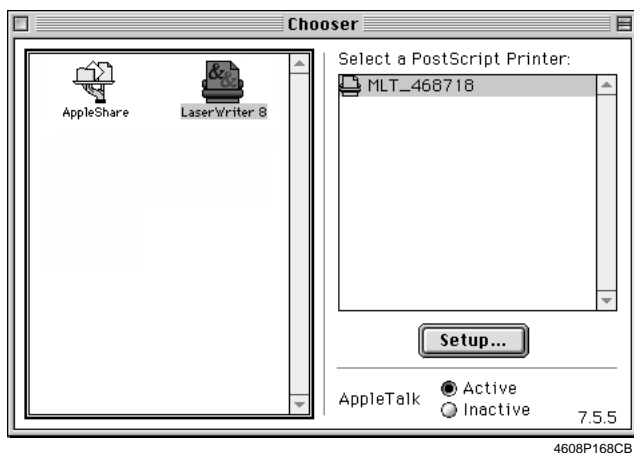
16. Click the [Configure] button.

4692P178CA
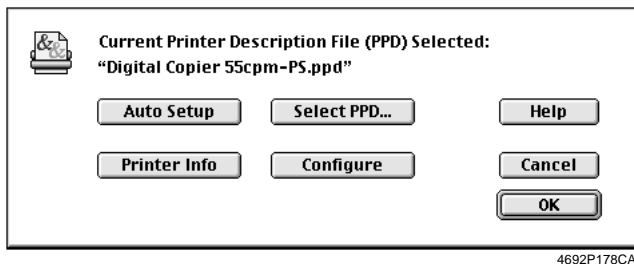
17. Set the operating environment of the controller and click the [OK] button.

4692P179CA
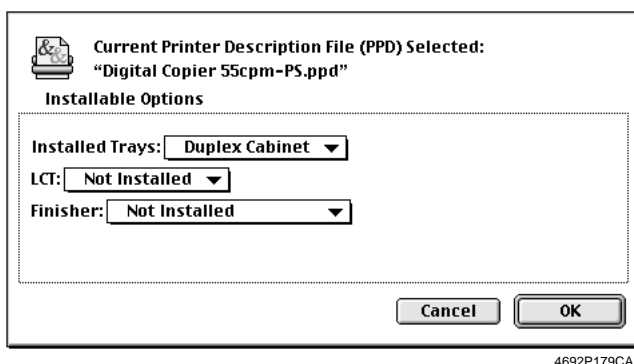
TIP
For details of the screen components, see Chapter 3, Property Sheets.

18. Click the [OK] button.

1. Macintosh

19. The [Chooser] dialog box will reappear. Close the [Chooser] dialog box.

4608P168CB
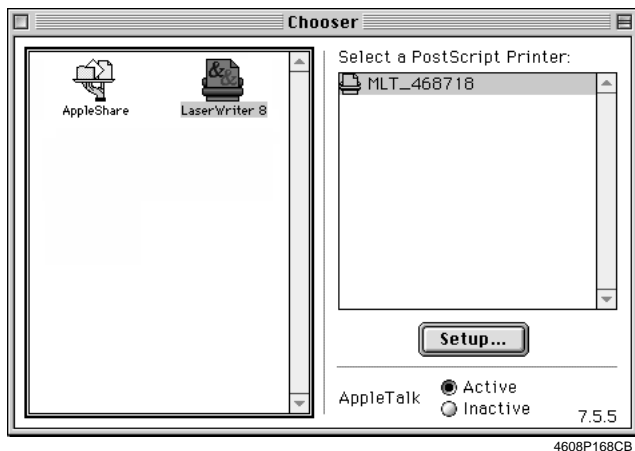
20. A printer icon will appear on the desktop.

4608P194CA
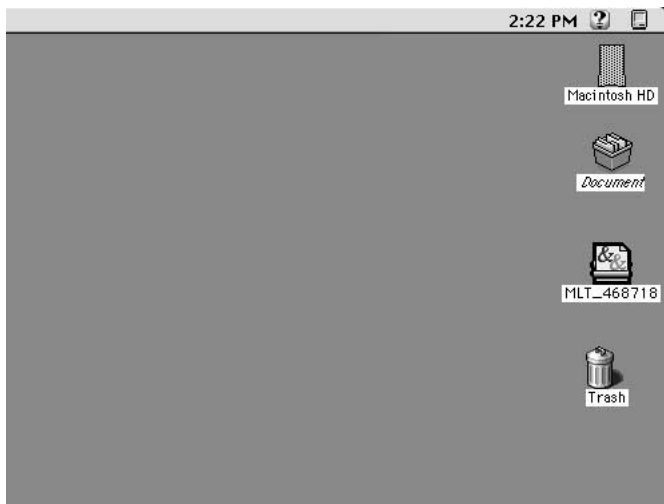
Chapter 3

Print Options

1. Print Options

Print Options

Each print option allows you to make specific settings as detailed below. For a detailed description of each function, see the corresponding reference page.

Print Option	Available Settings	Reference Page
Installable Options	Allows you to make settings for options installed on the machine.	p.3-3
Page Attributes	Allows you to make the basic settings for printing.	p.3-4
PostScript Options	Allows you to make visual-effect and font-related settings.	p.3-5
General	Allows you to set the pages and the number of copies for printing.	p.3-6
Background Printing	Allows you to make settings for background printing.	p.3-7
Cover Page	Allows you to print out a page of descriptive data about each print job.	p.3-8
Color Matching	Allows you to set color data output.	p.3-9
Layout	Allows you to set the printing layout.	p.3-10
Error Handling	Allows you to set the handling of error information.	p.3-11
Save as File	Allows you to make settings for saving data in files.	p.3-12
Printer Specific Options	Allows you to make not only such basic settings, such as paper source and exit port, but also enhanced functions, including duplex printing, OHP interleaving, and Cover mode. It further allows you to set finishing capabilities, including sort, staple, punch, and folding, for those occasions when you need to make multiple complete sets of the original document.	p.3-13

NOTE

The dialog box samples given throughout the subsequent pages are taken from LaserWriter version 8.5.1. The dialog boxes may vary in appearance, showing different functions depending on the particular version of the LaserWriter you are using. See the documentation provided for LaserWriter.

2. Installable Options

Functions of [Installable Options]

The [Installable Options] dialog box allows you to set the options installed on the machine. Make sure that the correct settings are made; otherwise, some printer functions may not function properly or printing cannot be performed correctly. The settings should match the machine configuration.

4692P180CA
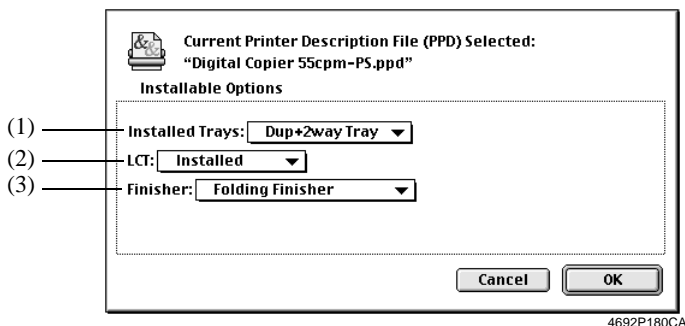
(1) Installed Trays
Set the tray configuration of the machine.
Setting values : Dup+2way Tray, Dup+LCC, Duplex Cabinet

(2) LCT
Set whether the Large Capacity Cassette is installed or not.
Setting values : Not Installed, Installed

(3) Finisher
Set the specifications of the finishing option installed on the machine.
Setting values : Not Installed, Mailbin Finisher, Folding Finisher,
Multi-staple Finisher, Single-staple Finisher

NOTE
If Installed Trays has not been properly set, it may be impossible to select Finisher properly.

Chapter 3

Print Options

3. Page Attributes

Functions of [Page Attributes]

The [Page Attributes] property sheet allows you to make the basic settings for printing.

4608P152CB
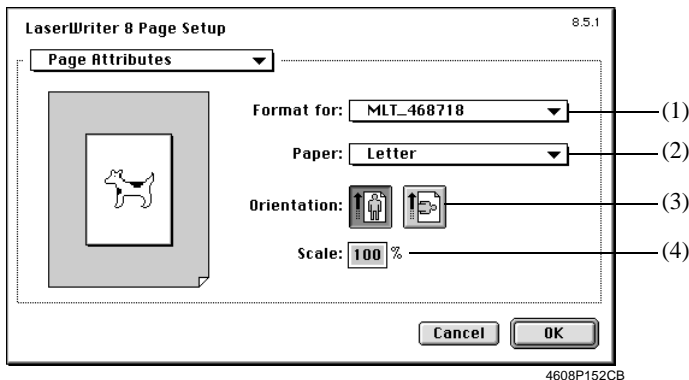
(1) Format for

Specify the name that represents controller set up with the NIC.

(2) Paper

Select the size of the paper to be used for printing.

Setting values : Ledger, 11×14, Legal, Letter, Executive, Invoice, A3, A4, A5, A6, JIS B4, JIS B5, JIS B6, FLS1, FLS2, FLS3, FLS4

NOTE

If you select a size of paper not loaded in the machine or Manual Feed, the machine will give a message prompting you to add paper to Tray1, Tray2, or the manual bypass port and enter into a standby state.

---

(3) Orientation

Select the orientation of the image with the corresponding icon.

Setting values : Portrait, Landscape

(4) Scale

Specify the image size of the print.

Setting range : 25 to 400%

4. PostScript Options

Functions of [PostScript Options]

The [PostScript Options] property sheet allows you to make visual-effect and font-related settings.

```
LaserWriter 8 Page Setup                              8.5.1

  PostScript™ Options        ▼

                          Visual Effects: ――――――――――――――――――(1)
                          ☐ Flip Horizontal
                          ☐ Flip Vertical
                          ☐ Invert Image

                          Image & Text: ――――――――――――――――――(2)
                          ☑ Substitute Fonts
                          ☑ Smooth Text
                          ☑ Smooth Graphics
                          ☐ Precision Bitmap Alignment
                          ☐ Unlimited Downloadable Fonts

                                    Cancel        OK

                                                    4608P153CB
```
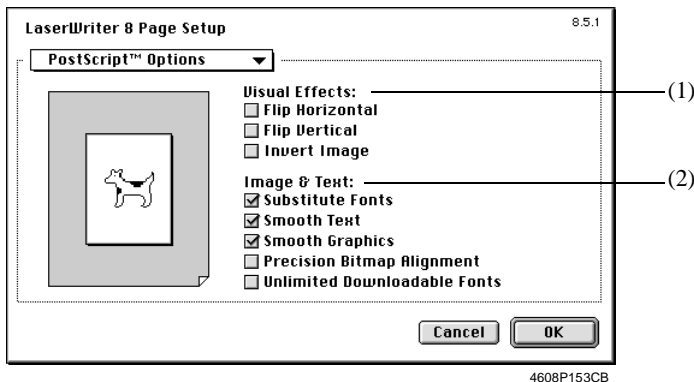
(1) Visual Effects

Allows you to turn over the image or apply other visual effects.

- Flip Horizontal : Prints the image as if the original were viewed in a mirror.
- Flip Vertical : Prints the image upside down from the original.
- Invert Image : Reverses tonal arrangements of the original, producing a negative image.

(2) Image & Text

Allows you to set the output quality of text and graphics and make font-related settings.

- Substitute Fonts : Sets font substitution if a printer font is similar to or under the same name as the screen font. It is enabled at installation.
- Smooth Text : Smooths bitmapped fonts. It is enabled at installation.
- Smooth Graphics : Smooths the graphic image. It is enabled at installation.
- Precision Bitmap Alignment

: Adjusts bitmapped images to the printer resolution.
- Unlimited Downloadable Fonts

: Enables downloading of as many fonts as required.

TIP

The functions of LaserWriter itself are being used. See the documentation provided for LaserWriter.

Chapter 3

Print Options

5. General

Functions of [General]

The [General] property sheet allows you to set the pages and the number of copies for printing.

4608P154CB
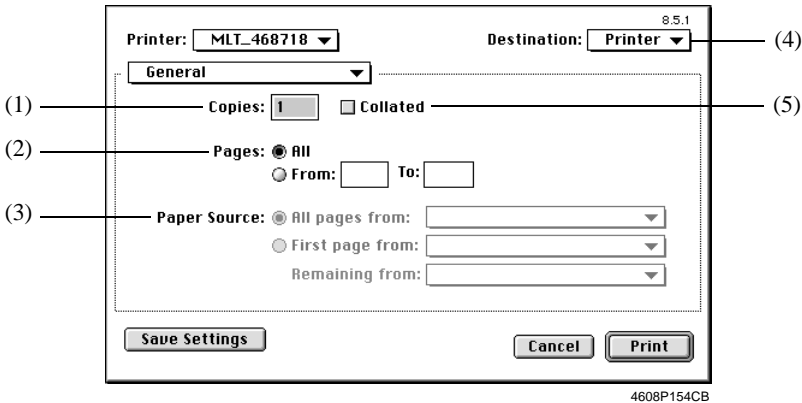
(1) Copies

Set the number of copies to be made.
Setting range : 1 to 999 sets

NOTES

- *It is possible to enter a number exceeding setting range: However, do not specify the number exceeding the range.*
- *When using the OHP interleaving function, set the number of sets of prints to "1".*

---

(2) Pages

Specify the pages to be printed.
All   :Prints all pages.
From: to: :Prints pages between the specified pages.

(3) Paper Source

This cannot be set on this property sheet. Use Printer Specific Options.

(4) Destination

Select whether to print to the machine or a file.
Setting values :Printer, File

(5) Collated

Do not make a setting on this property sheet. Use Printer Specific Options.

Chapter 3

Print Options

6. Background Printing

Functions of [Background Printing]

The Background Printing property sheet allows you to make settings for background printing.

4608P155CB
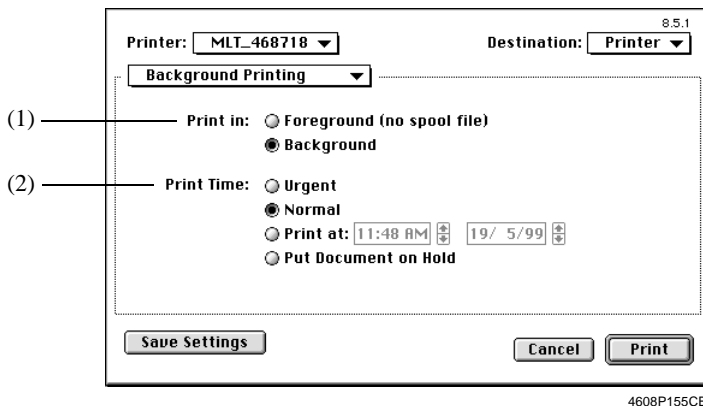
(1) Print in

Specify whether to enable background printing or not.

• Foreground (no spool file): Does not allow the user to use the application while the document is printing.

• Background : Allows the user to use the computer even while a document is printing.

(2) Print Time

Set the conditions for background printing.

• Urgent : Prints a job ahead of any others.
• Normal : Sets for printing at the end of the print queue.
• Print at : Sets the date and time-of-day for printing.
• Put Document on Hold : Places a job in the print queue without printing.

TIP

The functions of LaserWriter itself are being used. See the documentation provided for LaserWriter.

Chapter 3

Print Options

7. Cover Page

Functions of [Cover Page]

The [Cover Page] property sheet allows you to print out a page of descriptive data about each print job. This function differs from Front Cover Page in Printer Specific Options.


```
                                                              8.5.1
        Printer:  MLT_468718 ▼          Destination:  Printer ▼

         Cover Page                 ▼

(1) ──     Print Cover Page: ◉ None
                             ○ Before Document
                             ○ After Document

(2) ──     Cover Page Paper Source: [              ▼ ]


       [ Save Settings ]                  [ Cancel ] [ Print ]
```
4608P156CB
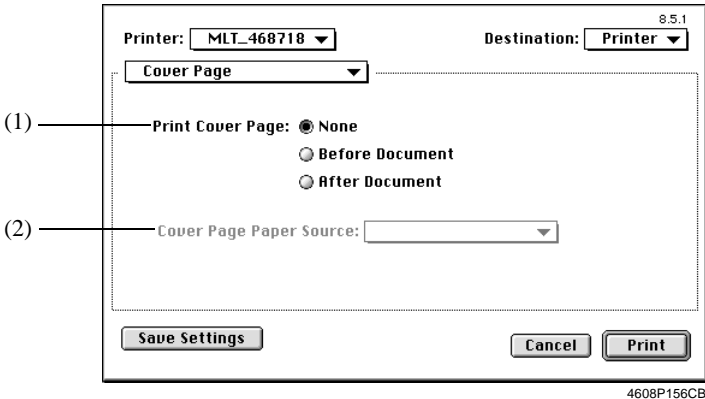
(1) Print Cover Page

Select whether to add the Cover Page or not, or how the Cover Page is to be added.
- None : Does not add a Cover Page.
- Before Document : Adds the Cover Page at the beginning of the document.
- After Document : Adds the Cover Page at the end of the document.

(2) Cover Page Paper Source

Unavailable. The same paper source as that selected for "Paper Source" in "Printer Specific Options" is used.

TIP

The functions of LaserWriter itself are being used. See the documentation provided for LaserWriter.

---

8. Color Matching

Functions of [Color Matching]

The Color Matching property sheet allows you to make settings for color data output.

4608P157CB
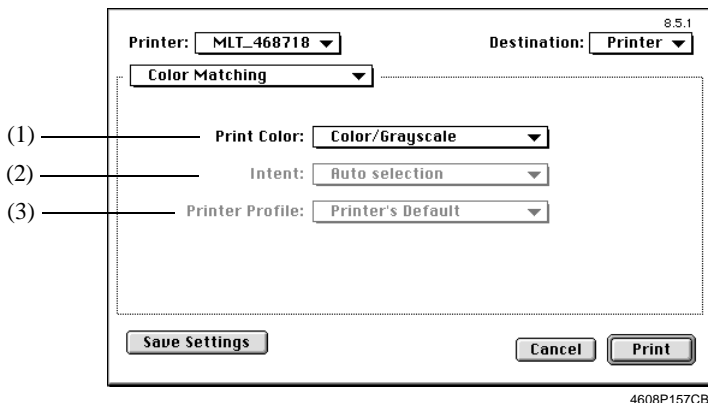
(1) Print Color

Select gray scale or monochrome.
- Color/Grayscale : Prints with gray scale.
- Grayscale : This function is not supported.
- Black and White : Prints in monochrome.
- Color synk color matching : Prints with color reproduction data.
- PS color matching : Prints with printer color characteristics.

(2) Intent

Sets matching style.
Setting Values : Auto selection, Perceptual matching, Relative colorimetric, Saturation, Absolute colorimetric

(3) Printer Profile
Selects profile.

TIP

The functions of LaserWriter itself are being used. See the documentation provided for LaserWriter.

---

9. Layout

Functions of [Layout]

The [Layout] property sheet allows you to set the printing layout.

4608P158CB
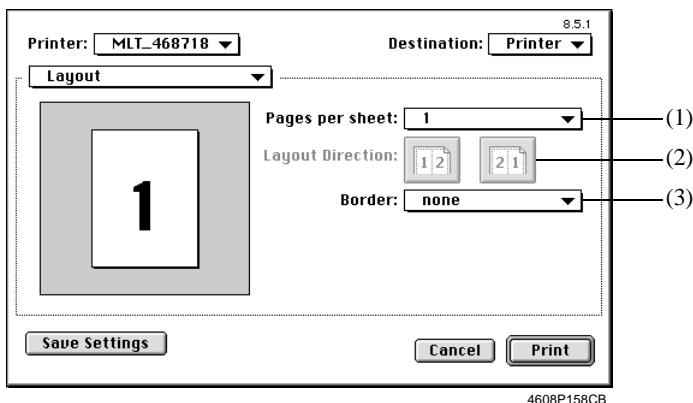
(1) Pages per sheet

Specify the number of pages assigned to a single sheet of paper.
Setting values : 1, 2, 4, 6, 9, 16, 4 (Down Before Across), 6 (Down Before Across), 9 (Down Before Across), 16 (Down Before Across)

(2) Layout Direction

Specify the layout direction by clicking the appropriate icon.

(3) Border

Specify the type of border line.
Setting values :None, Single hair line, Single thin line, Double hair line, Double thin line

---

TIPS

• *The layout direction can be checked on the paper illustration on the left.*
• *The functions of LaserWriter itself are being used.*

---

10. Error Handling

Functions of [Error Handling]

The [Error Handling] property sheet allows you to make settings for handling error
information.

4608P159CB
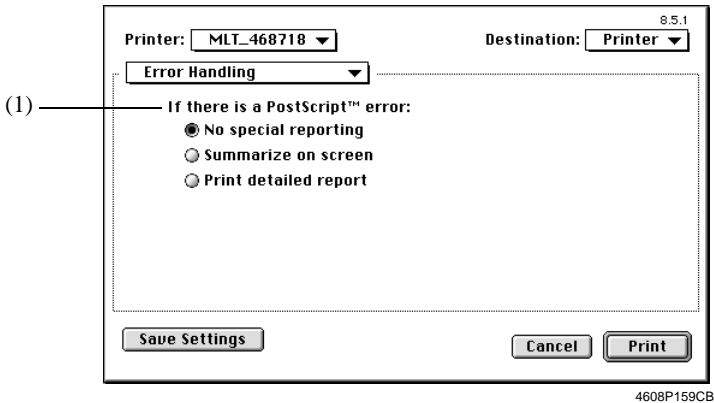
(1) If there is a PostScript error

Set the method for handling error information.

- No special reporting : Does not display Error information.
- Summarize on screen : Displays Error information on the screen.
- Print detailed report : Prints Error information.

TIP

*The functions of LaserWriter itself are being used. See the documentation
provided for LaserWriter.*

Chapter 3

Print Options

11. Save as File

Functions of [Save as File]

The "Save as File" dialog box allows you to choose settings for file format when
you save data as a file, but without printing.

4608P160CB
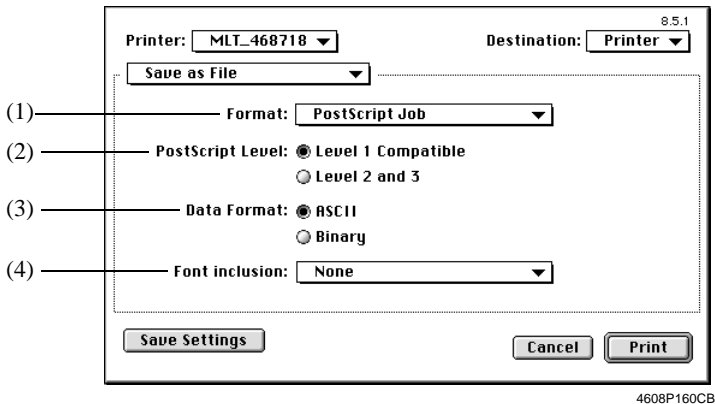
(1) Format

Specify the file format.

Setting Values : PostScript Job, EPS Mac Standard preview, EPS Mac Enhanced
preview, EPS No Preview, Acrobat PDF

(2) PostScript Level

Specify the version of PostScript.

Setting values :Level 1 Compatible, Level 2 and 3

(3) Data Format

Specify the data format.
- ASCII   :Saves as a text file.
- Binary   :Saves as a binary file.

(4) Font inclusion

Set the font to be saved in the file.

Setting Values : None, All, All But Standard 13, All But Fonts in PPD file

---

TIP

*The functions of LaserWriter itself are being used. See the documentation
provided for LaserWriter.*

Chapter 3

Print Options

12. Printer Specific Options

Functions of [Printer Specific Options]

The [Printer Specific Options] property sheet allows you to make not only such basic settings as the paper source and exit port, but also enhanced functions including duplex printing, OHP interleaving, and Front Cover. It also allows you to specify Sort, Staple, Punch, Folding, and other finishing functions.

4692P066CA

4692P067CA

Chapter 3

Print Options

NOTE

With LaserWriter 8.5.1, used for this explanation, all items in Printer Specific Options can be displayed as one page by scrolling. With some other LaserWriter versions, contents in Printer Specific Options are divided into two pages as Printer Specific Options 1 and Printer Specific Options 2. Contents of function for each item are the same, however.

12. Printer Specific Options

(1) Paper Source

Select the paper source to be used by the machine.

Available options depend on the type of paper source available on the machine.

- Auto : Automatically selects the paper source in which paper of the size specified by Paper Size is loaded.
- Tray1 to Tray4, LCC, LCT : Prints on paper loaded in the specified paper source.
- Manual Feed : Prints on paper loaded in the Multi Manual Feed Tray.

NOTE

It is possible that an option cannot be selected because of the paper size. For details, see the Operator's Manual of the machine.

TIPS

• The paper source is set with [Installable Options].
• The paper source options to be selected are limited depending on the function or functions to be used (e.g., OHP Interleaving, Front Cover, etc.).

(2) Output Setting

Select the machine exit tray into which the prints are to be fed.

Available options are limited by the type of finishing option configured with the machine.

- Mailbin Finisher : Auto, Mailbin1 to Mailbin5
- Except Mailbin Finisher : Auto

NOTE

It is possible that an option cannot be selected because of the paper size. For details, see the Operator's Manual of the machine.

TIP

The finishing option is set with [Installable Options].

Chapter 3

Print Options

(3) Orientation
Select the orientation of the image on the paper.
- Portrait : Prints the document across the narrower dimension of the paper.
- Landscape : Prints the document across the wider dimension of the paper.
- Rotated Landscape: Outputs landscape orientation upside down.

NOTE
Staple and Punch positions will not be correct if this function is selected improperly.

TIP
Rotated Landscape is handy for positioning Punch or Staple on the opposite side.

---

(4) Duplex Print <only when the Dup + 2way Tray, Dup + LCC or Duplex Cabinet is mounted>
Select the desired duplex print function. The results of the specified duplex print can be viewed on the paper preview.
- Off : Does not perform duplex printing.
- Short Edge Binding: Prints on both sides of each page so that the printed pages can be bound along the short edge.
- Long Edge Binding: Prints on both sides of each page so that the printed pages can be bound along the long edge.

TIP
The paper sizes that enable Duplex Print are Ledger, 11×14, Legal, Letter, Executive, Invoice, A3, A4, A5, JIS B4, JIS B5, FLS1, FLS2, FLS3, and FLS4.

Chapter 3

Print Options

12. Printer Specific Options

(5) Collate

Select whether printed pages are to be sorted into copy sets when printing more than one copy of the same document.

- Collated : Pages into copy sets. For instance, when printing 5 sets of a document consisting of 10 pages, printed pages are sorted by copy (i.e., 5 sets of a 10-page document are output).
- Uncollated : Prints the specified number of pages one page at a time. For instance, when printing 5 sets of a document, pages are printed five times, one page at a time.

NOTE

Always set "Collated" in General screen to OFF.

(6) Sorting

Select the sorting method:

- Unsorted : Prints are not sorted.
- Sorted : Prints are sorted.

NOTE

When sorting is used, set "Collate" item to "Uncollated".

TIPS

- *If "Elevator Tray" is selected when the machine is equipped with a Multi-staple Finisher, Single-staple Finisher or Mailbin Finisher, sets or stacks will be stacked in a sawtooth manner so that each is easy to identify.*
- *If Folding Finisher is mounted, or if none of the finishing options is mounted, sets or stacks will be stacked in a crisscross manner.*
- *Following are the minimum requirements for enabling crisscross sorting:*
  Stacks of paper of the same size, loaded in both lengthwise and crosswise direction.
  Staple, Punch or Front Cover Page is not set.

(7) Smoothing

Correct the edges of the printed image.
Setting values : Off, On

(8) Staple <only when Multi-staple Finisher, Single-staple Finisher, Mailbin Finisher or Folding finisher is mounted >
Select whether to staple each copy set of the document.
- Off : Does not staple the printed pages.
- Corner : Staples together each copy set at its corner.
- Short Edge : <only when Multi-staple Finisher or Folding Finisher is mounted>
Stapled along the short edge of the document.
- Long Edge : <only when Multi-staple Finisher or Folding Finisher is mounted>
Stapled along the long edge of the document.
- Center : <only when Folding Finisher is mounted>
Stapled at the center of the document.

NOTES
- *If the Folding function is to be used, turn Off "Staple" and make the Staple setting under "Folding."*
- *If "Staple" is set, printed pages are fed out into the Elevator Tray.*
- *The stapling position may be at the upper left or upper right corner depending on the orientation of the paper and printing.*
- *If the number of sheets of paper exceeds the limit that the Multi-staple Finisher, Single-staple Finisher or Mailbin Finisher can handle, the stapling function may be canceled. For details, see the machine Operator's Manual.*
- *If the original document for a print job contains a page of a different size from the others and this document is printed, the Staple setting may be canceled.*
- *If the original document for a print job contains a page with a different orientation from the others, care should be used because the stapling position is determined according to the direction of the first page.*
- *It is possible that an option cannot be selected because of the paper size. For details, see the Operator's Manual of the machine.*

(9) Punch <only when Multi-staple Finisher, Mailbin Finisher or Folding Finisher is mounted>
Select whether to punch holes in the printed pages.
- Off : Does not punch holes.
- Short Edge : Punches holes along the short edge of the document.
- Long Edge : Punches holes along the long edge of the document.

Chapter 3

Print Options

12. Printer Specific Options

NOTES
- *If the Folding function is to be used, turn Off "Punch" and make the Punch setting under "Folding."*
- *It is possible that an option cannot be selected because of the paper size. Some paper sizes do not allow you to select the hole position. For details, see the Operator's Manual of the machine.*
- *Holes may not be punched if Long Edge is selected with manual feed copying.*
- *The Multi-staple Finisher for the inch areas offers three punch holes.*

---

(10) Folding <only when Folding Finisher is mounted>
Set the folding functions for finishing.
- Crease   : Makes a crease in the printed page.
- Crease + Staple   : Staples the printed page at the center with a crease made in it.
- Half Folding   : Folds the printed page in two.
- Half Folding + Staple   : Folds printed pages in two and staples them together.
- Half Folding + Punch   : Folds printed pages in two and punches holes in them.
- Half Folding + Staple, Punch   : Folds printed pages in two, staples them together, and punches holes in them.
- Z-folding   : Folds printed pages into three parts.
- Z-folding + Corner Staple   : Folds printed pages into three parts and staples them at the corner.
- Z-folding + Long Edge Staple   : Folds printed pages into three parts and staples them together.
- Z-folding + Punch   : Folds printed pages into three parts and punches holes in them.
- Z-folding + Corner Staple, Punch   : Folds printed pages into three parts, staples them at the corner, and punches holes in them.

NOTE
If Staple or Punch is to be used with Folding, be sure to turn Off "Staple" or "Punch."

---

(11) OHP Interleaving

Select whether to insert a sheet of paper between sheets of OHP transparencies on which prints have been made.
- Off : Does not perform OHP Interleaving.
- Tray1 to Tray4, LCC, LCT : Specify the paper source for the interleaves.

NOTES
- *Set "1" in "Copies" when using OHP Interleaving.*
- *Use "Paper Source" to specify OHP transparencies. The paper source that can be selected is Manual Feed.*
- *The same paper source cannot be selected for "OHP Interleaving" and "Paper Source."*

TIP
The interleaves are blank pages.

(12) Front Cover Page

Lets you use paper for the cover of a different type (such as colored paper) from that for the text pages of your copy sets.
- Off : Feeds paper for all pages of your copy sets from the paper source specified in Paper Source.
- Manual Feed, Tray1 to Tray4, LCC, LCT
      : Specify the paper source for the cover.

NOTES
- *This function differs from LaserWriter standard Cover Page function (p.3-8).*
- *Use "Paper Source" to specify OHP transparencies: The paper source can be selected from Manual Feed, Tray1 to Tray4, LCC and LCT.*
- *If thick paper or other special paper is selected, the machine may not feed prints out into the selected exit tray.*

TIPS
- *The covers have data printed on them.*
- *No back covers are available.*

Chapter 3

Print Options

13. Conflicts

Conflicts

A message as shown below will appear when functions that are incompatible with each other are specified.
It appears when you have made a wrong selection.

This option is not available when Paper Source is set to Tray1. If you wish to continue, Paper Source will be set to Manual Feed.
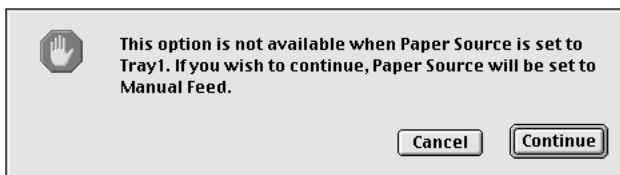
Cancel   Continue

4692P069CA

The message gives the detail of the functions that are incompatible with each other.
Check the detail and click [Continue] or [Cancel] to exit the message.

Chapter 4

Convenient Functions

1. Convenient Functions

Convenient Functions

In this chapter, you will learn how to print your document, going through each step
from start to end of printing.

The procedures described in this chapter are based on Mac OS 7.5.5 using
LaserWriter 8.5.1.

Though the screens may be different from what you will see in the following pages,
depending on the version of the OS and LaserWriter 8, the same basic procedures
apply and can be used as reference.

2. Printing More Than One Copy at a Time

Overview

This section explains how to print two or more copies of a document that has been created with an application. The steps described in the following are used when printing more than one copy and making complete sets of a document by using the Sort function offered by the printer driver.
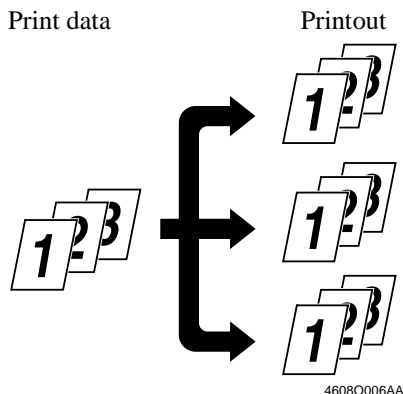
Print data   Printout

4608O006AA

Procedure

1. In the application that has been used to create the document, select the paper settings. For paper setting, select [Page Setup...] from the [File] menu.

2. Select [Page Attributes].

3. Ensure that the name that represents controller set up with the NIC is selected.

4. Check for the correct paper size.

LaserWriter 8 Page Setup   8.5.1

Page Attributes

Format for: MLT_468718

Paper: Letter

Orientation:

Scale: 100 %

Cancel   OK

4608P152CB
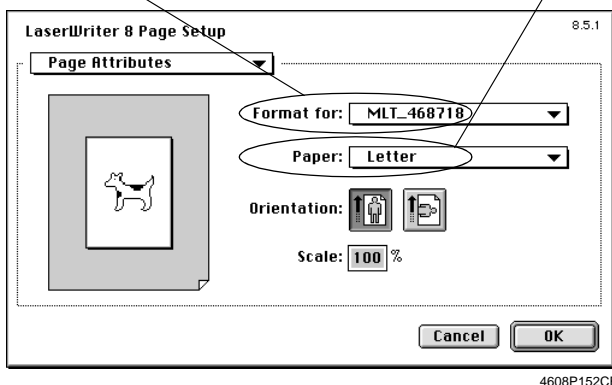
2. Printing More Than One Copy at a Time

3. Make sure that the name that represents controller set up with the NIC is selected for "Format for."

4. Make sure that the size of the document created with the application is displayed in "Paper."

5. Click the [OK] button to go back to the application.

6. Run the print cycle. To run a print cycle, select [Print...] from the [File] menu.

7. Select [General].

7. Select "General."   8. Set the number of copies to be printed.
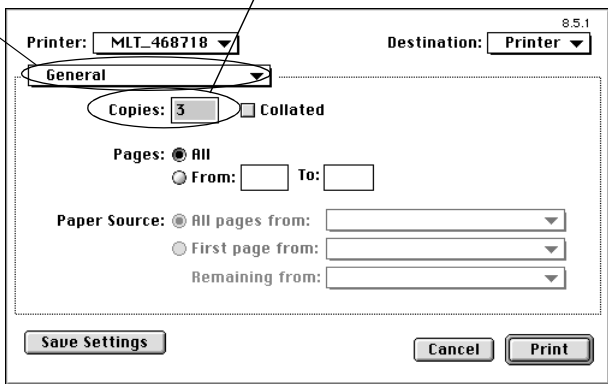
4608P173CB

8. In "Copies," set the number of copies to be printed.

9. Select [Printer Specific Options].

10. Select "Collated."   9. Select "Printer Specific Options."


```
                                                              8.5.1
   Printer:  MLT_468718  ▼              Destination:  Printer  ▼
   Printer Specific Options  ▼
   Paper Source:  Auto          ▼
   Output Setting:  Auto  ▼
   Orientation:  Portrait          ▼
   Duplex Print:  Off              ▼
   Collate:  Collated      ▼
   Sorting:  Unsorted  ▼
   Smoothing:  Off  ▼

   Save Settings                    Cancel    Print
```

4692P068CB

10. Select "Unsorted."

10. Select "Collated" in "Collate" so that the printed pages will be collated into copy sets.

11. Make other settings as necessary.

12. Click the [Print] button. The data will be transmitted to the machine and printing will soon start.

Chapter 4

Convenient Functions

3. Specifying N-up Printing

Overview

This section explains how to print two pages on one side of a sheet of paper (2up).

Print data   2up printout

1155O007AA

Procedure

1. In the application that has been used to create the document, select the paper settings. For paper setting, select [Page Setup...] from the [File] menu.

2. Select [Page Attributes].

3. Ensure that the name that represents controller set up with the NIC is selected.

4. Check for the correct paper size.

4608P152CB

3. Make sure that the name that represents controller set up with the NIC is selected for "Format for."

4. Make sure that the size of the document created with the application is displayed in "Paper."

5. Click the [OK] button to go back to the application.

6. Run the print cycle. To run a print cycle, select [Print...] from the [File] menu.

7. Select [Layout].

8. Specify the number of pages assigned.   9. Specify the layout direction.

7. Select "Layout."

8.5.1

Printer: MLT_468718 ▼   Destination: Printer ▼

Layout ▼

Pages per sheet: 2 ▼

Layout Direction: [1 2] [2 1]

Border: none ▼

1   2

Save Settings   Cancel   Print

4608P176CB

8. In "Pages per sheet," select "2."

9. In "Layout Direction," select either [1 2] or [2 1].

10. Make other settings as necessary.

11. Click the [Print] button. The data will be transmitted to the machine and printing will soon start.

NOTE

Void image and image overlap may result in printing of a document that contains pages of assorted sizes and directions.

Chapter 4

Convenient Functions

4. Printing in Reduced/Enlarged Size

Overview

This section explains how to reduce or enlarge the image on the document created with the application for printing.
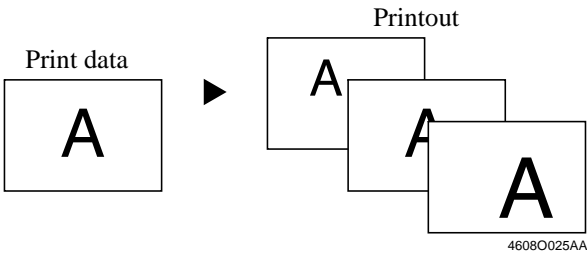

4608O025AA

Procedure

1. In the application that has been used to create the document, select the paper settings. For paper setting, select [Page Setup...] from the [File] menu.

2. Select [Page Attributes].

3. Ensure that the name that represents controller set up with the NIC is selected.

4. Check for the correct paper size.

4608P179CB
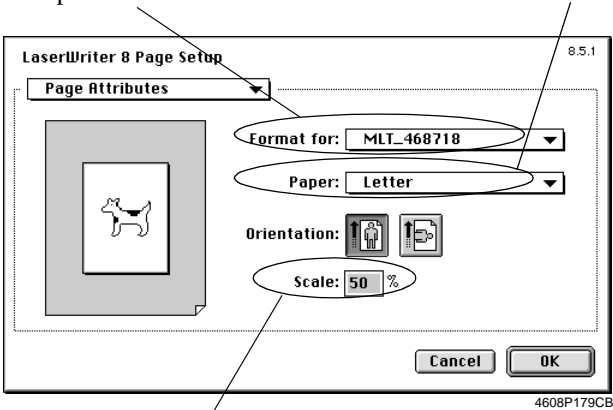
5. Specify the zoom ratio.

3. Make sure that the name that represents controller set up with the NIC is selected for "Format for."

4. Check that the paper size selected in "Paper" is appropriate for the zoom ratio.

5. Set the zoom ratio in "Scale."

6. Click the [OK] button to go back to the application.

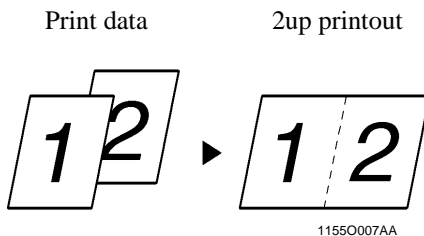7. Run the print cycle. To run a print cycle, select [Print...] from the [File] menu.

8. Make other settings as necessary.

9. Click the [Print] button. The data will be transmitted to the machine and printing will soon start.

NOTE
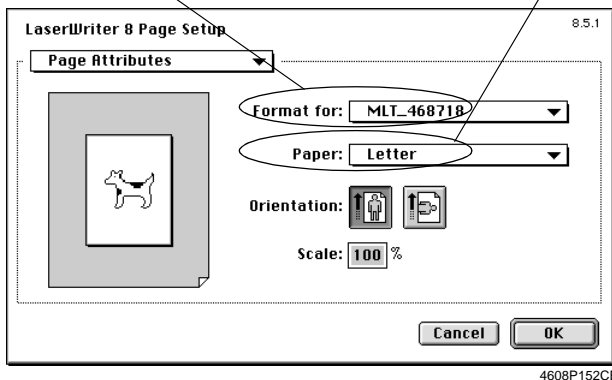*If you select a size of paper not loaded in the machine or Manual Feed, the machine will give a message prompting you to add paper to Tray1, Tray2, or the Manual Feed and enter into a standby state.*

Chapter 4

Convenient Functions

5. Printing on Both Sides of the Paper

Overview

This section explains how to print a multi-page document, which has been created with an application, using both sides of a sheet of paper. It also shows the steps to be followed when stapling the two-sided pages. To use this function, the Dup + 2way Tray, Dup + LCC or Duplex Cabinet must be mounted on the machine.

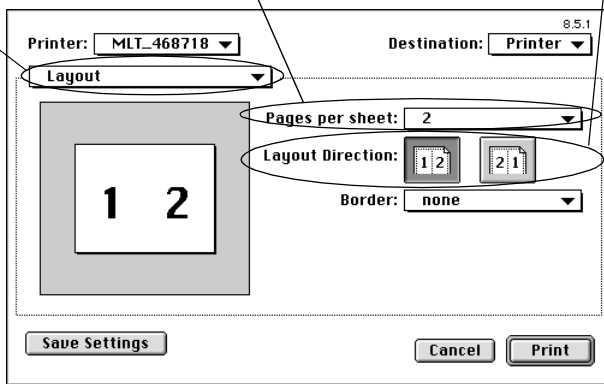Print data   Printout

4608O008AA

Procedure

1. In the application that has been used to create the document, select the paper settings. For paper setting, select [Page Setup...] from the [File] menu.

2. Select [Page Attributes].

3. Ensure that the name that represents controller set up with the NIC is selected.

4. Check for the correct paper size.

4608P152CB

3. Make sure that the name that represents controller set up with the NIC is selected for "Format for".

4. Make sure that the size of the document created with the application is displayed in "Paper."

5. Click the [OK] button to go back to the application.

4-11

6. Run the print cycle. To run a print cycle, select [Print...] from the [File] menu.

7. Select [Printer Specific Options].

7. Select "Printer Specific Options."   8. Specify Duplex Print.

9. Specify Staple.

4692P070CA
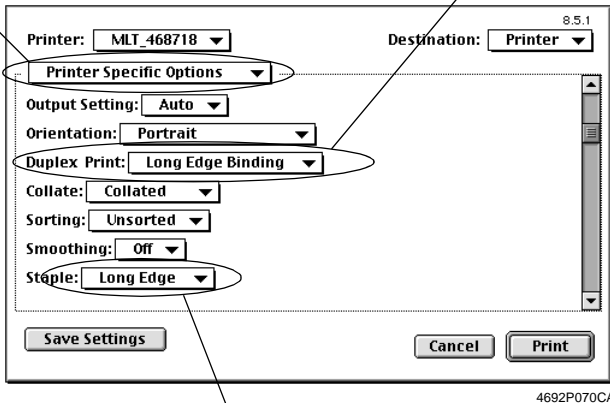
8. In "Duplex Print," select "Long Edge Binding" or "Short Edge Binding."

If "Long Edge Binding" is selected, printing will be performed on both sides of each page so that the printed pages form a book when they are bound along the long edge. If "Short Edge Binding" is selected, printing will be performed on both sides of each page so that the printed pages form a book when they are bound along the short edge.

"Long Edge Binding"   "Short Edge Binding"

4608O008AA   4608O009AA

5. Printing on Both Sides of the Paper

9. If you want to staple the printed pages, select "Long Edge" or "Short Edge" for "Staple" in "Printer Specific Options."

NOTES
- *When "Long Edge binding" is selected, "Short Edge" cannot be selected for Staple.*
- *When "Short Edge binding" is selected, "Long Edge" cannot be selected for Staple.*

TIPS
- *To make holes in the printed pages for filing, select "Long Edge" or "Short Edge" for "Punch" in "Printer Specific Options."*
    When "Long Edge binding" is selected, "Short Edge" cannot be selected for Punch holes.
    When "Short Edge binding" is selected, "Long Edge" cannot be selected for Punch holes.
- *If Punch or Staple is to be used with Folding, be sure to turn Off "Punch" or "Staple."*

10. Make other settings as necessary.

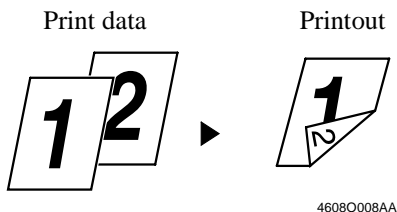11. Click the [Print] button. The data will be transmitted to the machine and printing will soon start.

6. Printing on OHP Transparencies

Overview

This section explains how to insert a sheet of paper (interleaf) between sheets of OHP transparencies when printing on sheets of OHP transparencies.
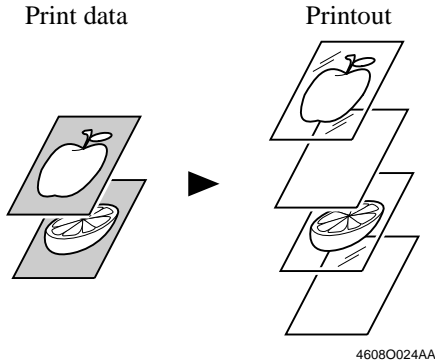
Print data   Printout

4608O024AA

Procedure

1. In the application that has been used to create the document, select the paper settings. For paper setting, select [Page Setup...] from the [File] menu.

2. Select [Page Attributes].

3. Ensure that the name that represents controller set up with the NIC is selected. 4. Check for the correct paper size.

LaserWriter 8 Page Setup   8.5.1

Page Attributes ▼

Format for: MLT_468718 ▼

Paper: Letter ▼

Orientation:

Scale: 100 %

Cancel OK

4608P152CB

3. Ensure that the name that represents controller set up with the NIC is selected.

6. Printing on OHP Transparencies

4. Make sure that the size of the document created with the application is displayed in "Paper."

5. Click the [OK] button to go back to the application.

6. Run the print cycle. To run a print cycle, select [Print...] from the [File] menu.

7. Select [Printer Specific Options].

7. Select "Printer Specific Options."
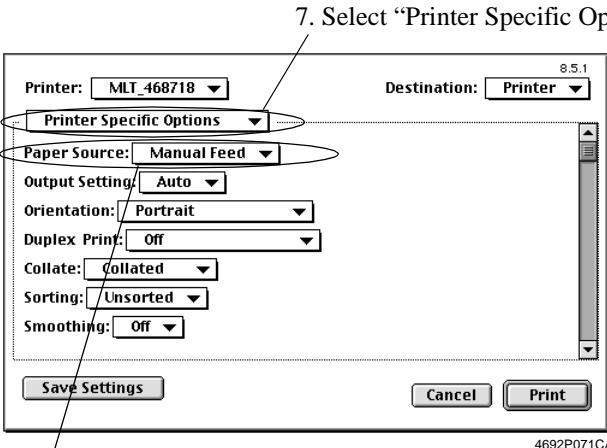
4692P071CA

8. Specify the paper source loaded with OHP transparencies.

9. Specify the paper source for the interleaves.
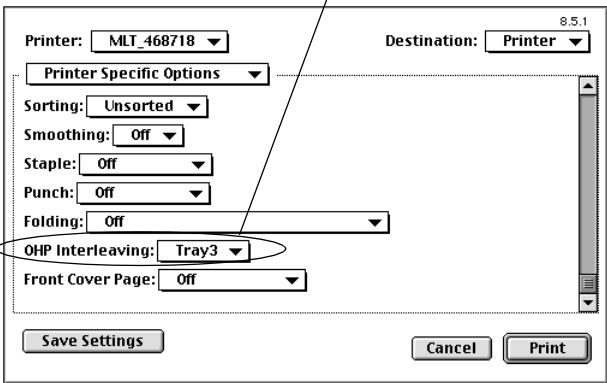
4692P072CA

8. In "Paper Source," select the paper source loaded with OHP transparencies.

NOTE

Paper source for OHP film is Manual Feed only.

---

9. In "OHP Interleaving," select the paper source for the interleaves.

NOTE

The same paper source as that used for OHP transparencies cannot be specified as paper source for interleaves.

---

10. Make other settings as necessary.

11. Click the [Print] button. The data will be transmitted to the machine and printing will soon start.

Chapter 4

Convenient Functions

7. Adding a Front Cover to Each Copy Set

Overview

This section explains how to add a front cover (using paper of a different type from the text pages, such as colored paper) to each of your copy sets.

Print data   Printout

1149O013AA

Procedure

1. In the application that has been used to create the document, select the paper settings. For paper setting, select [Page Setup...] from the [File] menu.

2. Select [Page Attributes].

3. Ensure that the name that represents controller set up with the NIC is selected.

4. Check for the correct paper size.

4608P152CB

3. Make sure that the name that represents controller set up with the NIC is selected for "Format for."

4. Make sure that the size of the document created with the application is displayed in "Paper."

Chapter 4

Convenient Functions

5. Click the [OK] button to go back to the application.

6. Run the print cycle. To run a print cycle, select [Print...] from the [File] menu.

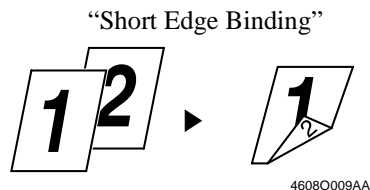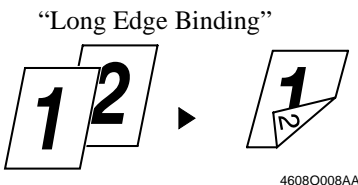7. Select [Printer Specific Options].

7. Select "Printer Specific Options."

4692P073CA

8. Specify the paper source for the text pages.

9. Specify the paper source for the cover.

4692P074CA
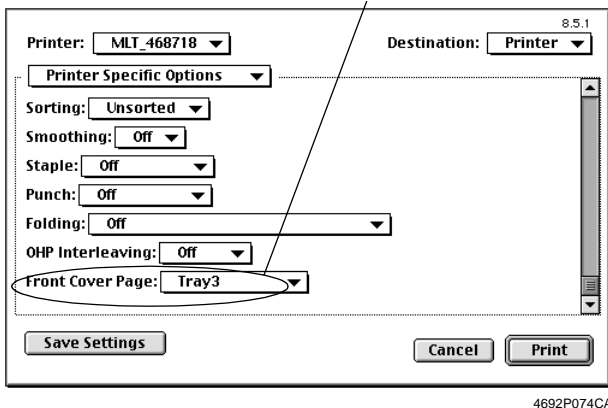
8. In "Paper Source," select the paper source for the text pages.

NOTE
Paper sources for text are Manual Feed, Tray 1, 2, 3, 4, LCC, and LCT.

7. Adding a Front Cover to Each Copy Set

9. In "Front Cover Page," select the paper source for the cover.

NOTE
*Paper sources for Front Cover Paper are Manual Feed, Tray 1, 2, 3, 4, LCC, and LCT.*

---

10. Make other settings as necessary.

11. Click the [Print] button. The data will be transmitted to the machine and printing will soon start.
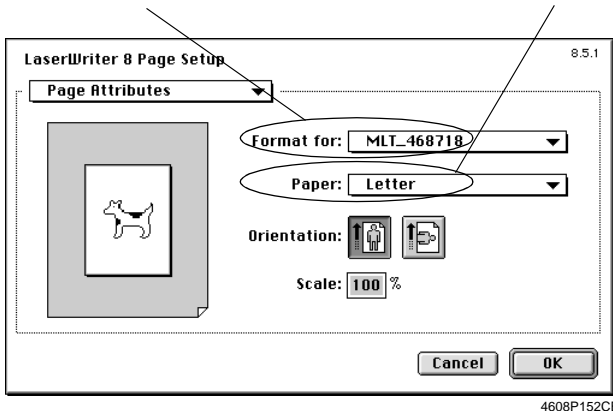
8. Using the Folding Function

Overview

A multi-page document prepared in an application can be finished into a book form through Half Folding and Staple.
To use this function, a Folding Finisher must be mounted on the machine.
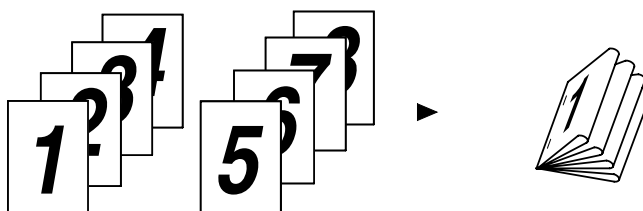

4692O007AA

Procedure

1. In the application that has been used to create the document, select the paper settings. For paper setting, select [Page Setup...] from the [File] menu.

2. Select [Page Attributes].

3. Ensure that the name that represents controller set up with the NIC is selected.

4. Check for the correct paper size.
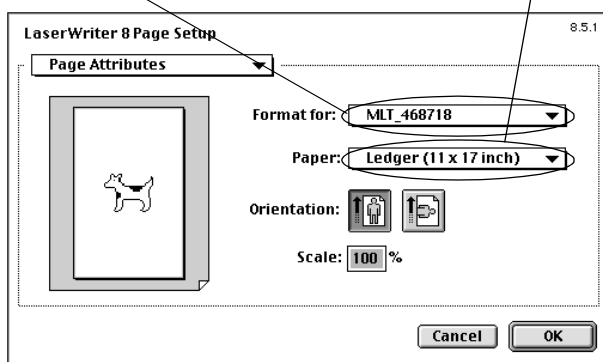
4692P075CA

3. Make sure that the name that represents controller set up with the NIC is selected for "Format for."

4. Make sure that the size of the document created with the application is displayed in "Paper."

5. Click the [OK] button to go back to the application.

6. Run the print cycle. To run a print cycle, select [Print...] from the [File] menu.

7. Select [Layout].

8. Specify the number of pages assigned.   9. Specify the layout direction.

7. Select "Layout."

4608P176CB

8. In "Pages per sheet," select "2."

9. In "Layout Direction," select ⬚⬚ .

10. Select [Printer Specific Options].

10. Select "Printer Specific Options."   11. Turn Off "Staple" and "Punch."

8.5.1

Printer: MLT_468718 ▼   Destination: Printer ▼

Printer Specific Options ▼

Sorting: Unsorted ▼
Smoothing: Off ▼
Staple: Off ▼
Punch: Off ▼
Folding: Half Folding+Staple ▼
OHP Interleaving: Off ▼
Front Cover Page: Off ▼

Save Settings   Cancel   Print
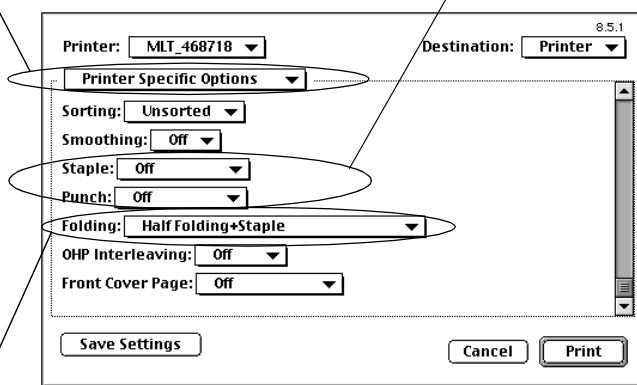
4692P076CA

12. Select "Half Folding + Staple."

11. Select "Off" for the functions of "Staple" and "Punch."

12. Select "Half Folding + Staple" for the function of "Folding."
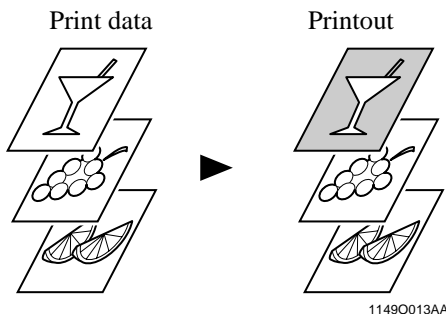
13. Make other settings as necessary.

14. Click the [Print] button. The data will be transmitted to the machine and printing
will soon start.

Chapter 4

Convenient Functions

8. Using the Folding Function

Chapter 5

Troubleshooting

1. Troubleshooting

Unable to Print

This chapter explains about the troubleshooting procedures for possible malfunctions. Perform the troubleshooting procedures given below in that order when the machine is unable to print even if you execute a print command from your computer.

Symptom	Possible Cause	Action
A message appears on the computer screen, saying something to the effect that "no printer is connected" or "no paper is loaded."	An error is present in the machine.	Check the control panel of the machine: If an error is displayed, identify the error and take the necessary action by referring to the "Error List" on page 5-8.
	The network cable is disconnected.	Check that the network cable is connected properly to the computer and controller.
Printing does not start despite the completion of printing setup on the computer.	An error is present in the machine.	Check the control panel of the machine: If an error is displayed, identify the error and take the necessary action by referring to the "Error List" on page 5-8.
	The network cable is disconnected.	Check that the network cable is connected properly to the computer and controller.
	The printer driver selected for printing is not for the controller.	Check the printer name.
	A print job yet to be processed is loaded in the machine, causing the printer to wait.	Refer to the Job List on the machine control panel to check for print order.

Symptom	Possible Cause	Action
Continued from the previous page (Printing does not start despite the completion of printing setup on the computer.)	The connection of the controller to the network has not been established.	Consult the network administrator.
	The print job was canceled.	Check the status on the "Incompleted Job Queue" of "Printer Management Utility".
	Machine memory space available is not sufficient.	Add the machine memory to expand its space.
A document containing more than 40 pages cannot be printed.	The maximum number of document pages that can be stored in the standard memory is 40.	• Decrease the number of document pages or add memory to expand its capacity. • Select "Printer" for "Priority Device" available in 6/6 of User's Choice on the machine.
A PS error print is output.	Some applications allow you to select either "Binary" or "ASCII" mode when the PS driver is being used. A PS error could result if an attempt is made to print in the "Binary" mode.	Select the "ASCII" mode.

If the problem persists even after these checks have been made, refer to the documentation provided for the machine.

Chapter 5

Troubleshooting

1. Troubleshooting

Unable to Make Correct Settings / Unable to Print Exactly as Set

Perform the troubleshooting procedures given below in the order when you cannot make proper settings in the printer driver or when the print results do not represent what has been set.

Symptom	Possible Cause	Action
The options are dimmed on the computer screen.	An illegal combination of functions has been made.	Reselect functions.
Unable to print exactly as set.	Incorrect settings are made.	Check the setting for each item of the printer driver.
	The combination of the functions, though valid on the printer driver, is invalid on the machine.	
Unable to specify Staple.	Staple can be specified only when the type of Finisher you are using is selected on the "Installable Options" property sheet and "Auto" is selected for "Output Setting" on the "Printer Specific Options" property sheet.	Select the type of Finisher you are using on the "Installable Options" property sheet, and select "Auto" for "Output Setting" on the "Printer Specific Options" property sheet.
	No stapling can be effected in the following case: Paper size other than 182×182 mm to 297×432 mm is specified, paper source is manual feed port, exit port other than Auto is selected, Booklet is specified, OHP Interleaving is specified, Uncollated is specified.	Check the setting of the paper size, paper source, exit port, OHP Interleaving, and Collated.

Symptom	Possible Cause	Action
Unable to staple properly.	No stapling can be effected if the type of paper is thick paper or OHP transparencies.	Check the type of paper.
	When Mailbin Finisher or Multi-staple Finisher is installed, no stapling can be effected if number of prints to be made exceeds 50.	Check the number of prints to be made.
	When Single-staple Finisher is installed, no stapling can be effected if number of prints to be made exceeds 30.	
	No stapling can be effected if the number of pages to be printed is 50 or more when a Folding Finisher is mounted. Center Staple is also disabled if the number of pages to be printed is 15 or more.	
	No stapling can be effected if original document contains pages of different sizes.	
The stapling position is opposite to what is expected.	The paper direction and N-up do not match the setting made for Orientation.	Change the setting for Orientation.

Chapter 5

Troubleshooting

1. Troubleshooting

Symptom	Possible Cause	Action
Unable to specify Punch.	Either a Multi-staple Finisher, Mailbin Finisher or Folding Finisher must be mounted to enable the setting of Punch, and "Multi-staple Finisher", "Mailbin Finisher" or "Folding Finisher" must be selected from "Installable Options" to specify Punch.	Select "Multi-staple Finisher" "Mailbin Finisher" or "Folding Finisher" from "Installable Options."
	Punch cannot be specified if OHP interleaving is specified.	Check the setting of OHP Interleaving.
Unable to effect Punch.	No holes can be made if the type of paper is thick paper or OHP transparencies.	Check the type of paper.
	Prints can at times be fed out without being punched if the direction of the paper loaded in the paper source is not appropriate.	Check the direction of the paper.
The hole punch position is opposite to what is expected.	The paper direction and N-up do not match the setting made for Orientation.	Change the setting for Orientation.
Folding cannot be specified.	The optional Folding Finisher is necessary for you to specify Folding. "Folding Finisher" must be selected on "Installable Options."	Select "Folding Finisher" on "Installable Options."
	Folding may be disabled when Staple or Punch is specified.	Check the settings made. (See "Function Combination Matrix" on p. A-2.)
Folding is not effected.	Folding cannot be effected if the type of paper is Thick Paper or OHP.	Check the type of paper.

Symptom	Possible Cause	Action
Unable to print image properly.	Machine memory space available is not sufficient.	Add machine memory to expand its space, or simplify the image to reduce the amount of data handled.
Unable to specify the exit port.	No exit port can be specified if the paper size is A6 or OHP Interleaving is specified.	Check the setting of the paper size and OHP Interleaving.
Unable to properly feed prints out to the specified port.	Prints with paper size of B6 or smaller cannot be fed out if paper exit port is Mailbin.	Check the paper type and paper size.
Paper is not fed from the specified paper source.	Paper may not be fed from the specified paper source if that paper source is loaded with paper of a different size and direction.	Load the paper source with paper of the appropriate size and in the appropriate direction.
Unable to print exactly as set.	The paper size, paper direction, and other settings made on the application takes precedence over those made in the driver.	Make the correct settings on the application.

Chapter 5

Troubleshooting

1. Troubleshooting

Error List

When an error occurs, the machine control panel gives the message of "Controller failure -> 18xx."
The table below lists the meanings of different error codes, together with the appropriate remedial procedures. Should an error occur, identify the detail of the error and take the necessary action.

Code	Description	Action
18A0	NVRAM error Issued when a fault is found in the condition of the setting values saved in the NVRAM of the controller.	Turn OFF the power, then turn it ON. If error persists, consult your Tech. Rep.
18A1	NIC initialization error	
18A3	Version error	
18A7	ROM update data load failure	
18A8	ROM update data write failure	
18F1	Machine communications error	
18F2	Controller fatal error	
18D0	Hard disk being formatted	This error is eliminated as soon as formatting is completed.
18D1	Hard disk format error	Execute formatting from Printer Management Utility again. If error persists, consult your Tech. Rep.
18B8	Scan job canceled for short of machine memory space	Recovers 10 minutes later, or when next scan job starts. If error persists, consult your Tech. Rep.
18C0	Memory short during image conversion	
18C1	Scan job NIC processing error	

Code	Description	Action
18C2	Scan job controller processing error	Recovers 10 minutes later, or when next scan job starts. If error persists, consult your Tech. Rep.
18A4	ROM update data loading	Recovers as time passes, or by conducting job.
18A5	ROM update data writing	
18A6	ROM update data completed	

This manual contains the specifications for the controller. Refer to the documentation provided for the machine for the machine specifications.

Chapter 5

Troubleshooting

1. Troubleshooting

Appendix A

1. Function Combination Matrix

Appendix A

Function Combination Matrix

		Auto	Tray1, 2, 3, 4	LCC	LCT	Manual Feed	Uncollated	Collated	Sorted	Staple Off	Staple Corner	Staple Long Edge	Staple Short Edge	Staple Center	Punch Off	Punch Long Edge	Punch Short Edge	Folding Off	Z-Fold	Half Folding	Crease
Paper Source (columns)		Paper Source					Printer Specific Options			Staple					Punch			Folding			
Paper Source	Auto		×	×	×	×	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Paper Source	Tray1, 2, 3, 4	×		×	×	×	○	○	○	○	○	○	○	○	○	○	○	○	×	○	○
Paper Source	LCC	×	×		×	×	○	○	○	○	○	○	×	×	○	○	×	○	×	×	×
Paper Source	LCT	×	×	×		×	○	○	○	○	○	○	●	●	○	○	●	○	×	×	●
Paper Source	Manual Feed	×	×	×	×		○	○	○	○	△	△	△	△	○	△	△	○	×	△	△
Printer Specific Options	Uncollated	○	○	○	○	○		×	○	○	×	×	×	×	○	○	○	○	○	○	○
Printer Specific Options	Collated	○	○	○	○	○	×		×	○	○	○	○	○	○	○	○	○	○	○	○
Printer Specific Options	Sorted	○	○	○	○	○	○	×		○	×	×	×	×	○	○	○	○	○	○	○
Printer Specific Options	Staple — Off	○	○	○	○	○	○	○	○		×	×	×	×	○	○	○	○	○	○	○
Printer Specific Options	Staple — Corner	○	○	○	○	△	×	○	×	×		×	×	×	○	○	○	○	○	×	×
Printer Specific Options	Staple — Long Edge	○	○	○	○	△	×	○	×	×	×		×	×	○	○	×	○	○	×	×
Printer Specific Options	Staple — Short Edge	○	○	×	●	△	×	○	×	×	×	×		×	○	×	○	○	○	×	×
Printer Specific Options	Staple — Center	○	○	×	●	△	×	○	×	×	×	×	×		○	×	×	○	×	×	○
Printer Specific Options	Punch — Off	○	○	○	○	○	○	○	○	○	○	○	○	○		×	×	○	○	○	○
Printer Specific Options	Punch — Long Edge	○	○	○	○	△	○	○	○	○	○	○	×	×	×		×	○	○	×	×
Printer Specific Options	Punch — Short Edge	○	○	×	●	△	○	○	○	○	○	×	○	×	×	×		○	×	×	×
Printer Specific Options	Folding — Off	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○		×	×	×
Printer Specific Options	Folding — Z-Fold	○	×	×	×	×	○	○	○	○	○	○	×	×	○	○	×	×		×	×
Printer Specific Options	Folding — Half Folding	○	○	×	×	△	○	○	○	○	×	×	×	×	○	×	×	×	×		×
Printer Specific Options	Folding — Crease	○	○	×	●	△	○	○	○	○	×	×	×	○	○	×	×	×	×	×	
Printer Specific Options	OHP Interleaving	×	×	×	×	○	○	○	○	○	×	×	×	×	○	×	×	○	×	×	×
Printer Specific Options	Cover mode	×	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	×	×	○
Layout	1-sided 1up	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Layout	2-sided 1up	○	○	○	○	△	○	○	○	○	○	○	○	○	○	○	○	○	○	×	○
Layout	1-sided 2, 4, 6, 9, 16up	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Layout	2-sided 2, 4, 6, 9, 16up	○	○	○	○	△	○	○	○	○	○	○	●	○	○	○	○	○	○	×	○
Layout	Scale	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

			OHP Interleaving	Cover mode	1-sided 1up	2-sided 1up	1-sided 2, 4, 6, 9, 16up	2-sided 2, 4, 6, 9, 16up	Scale
							Layout		
Paper Source	Auto		×	×	❍	❍	❍	❍	❍
	Tray1, 2, 3, 4		×	❍	❍	❍	❍	❍	❍
	LCC		×	❍	❍	❍	❍	❍	❍
	LCT		×	❍	❍	❍	❍	❍	❍
	Manual Feed		❍	❍	❍	△	❍	△	❍
Printer Specific Options	Uncollated		❍	❍	❍	❍	❍	❍	❍
	Collated		❍	❍	❍	❍	❍	❍	❍
	Sorted		❍	❍	❍	❍	❍	❍	❍
	Staple	Off	❍	❍	❍	❍	❍	❍	❍
		Corner	×	❍	❍	❍	❍	❍	❍
		Long Edge	×	❍	❍	❍	❍	❍	❍
		Short Edge	×	❍	❍	❍	❍	❍	❍
		Center	×	❍	❍	❍	❍	❍	❍
	Punch	Off	❍	❍	❍	❍	❍	❍	❍
		Long Edge	×	❍	❍	❍	❍	❍	❍
		Short Edge	×	❍	❍	❍	❍	❍	❍
	Folding	Off	❍	❍	❍	❍	❍	❍	❍
		Z-Fold	×	❍	❍	❍	❍	❍	❍
		Half Folding	×	×	❍	×	❍	×	❍
		Crease	×	❍	❍	❍	❍	❍	❍
	OHP Interleaving			×	❍	×	×	×	❍
	Cover mode		×		❍	❍	❍	❍	❍
Layout	1-sided 1up		❍	❍		×	×	×	×
	2-sided 1up		×	❍	×		×	×	×
	1-sided 2, 4, 6, 9, 16up		❍	❍	×	×		×	×
	2-sided 2, 4, 6, 9, 16up		×	❍	×	×	×		×
	Scale		❍	❍	×	×	×	×	

Appendix A

1. Function Combination Matrix

❍ : The combination is possible.

× : The combination is impossible.
   (The settings made are rejected.)

● : Cannot be used if the LCT rejects loading of paper in the lengthwise direction.

△ : Does not function if special paper setting has been made.

NOTE

Some combinations may not function properly depending on the size and direction of the paper.

TIP

1Side and 2Side of Layout mean the following.
1Side: Duplex Print = Off
2Side: Duplex Print = Short Edge or Long Edge

2. Specifications

Specifications for machine body

Specification for machine body: Refer to the Operator's Manual for Windows.

Accessories

Accessories : Refer to the Operator's Manual for Windows.

Appendix A

2. Specifications

Appendix B

1. INDEX

Appendix B

INDEX

Appendix B

1. INDEX

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The information contained in this manual is subject to change without notice to incorporate improvements made to the products listed in this manual.

™